

Converting Colors

XYZ(29.5589, 36.1032, 77.5716)

Have a look what the booklet for
XYZ(29.5589, 36.1032, 77.5716)
contains.

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Color

**XYZ(29.5232, 36.1032,
77.3641)**

Conversions

Conversions Part 1

Format	Color
Hex	22AEE2
RGB	34, 174, 226
RGB Percent	13%, 68%, 89%
CMY	0.8666, 0.3176, 0.1137
CMYK	0.85, 0.23, 0.00, 0.11
HSL	196°, 77%, 51%
HSV	196°, 85%, 89%
XYZ	29.5232, 36.1032, 77.3641
YIQ	138.0680, -100.1320, -13.5080

Conversions

Conversions Part 2

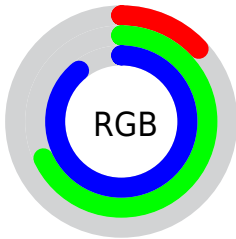
Format	Color
R_{YB}	34, 115, 226
Decimal	2272994
CIE _{Lab}	66.60, -17.41, -36.05
CIE _{LCh}	67, 40.038, 244.226
Yxy	36.1032, 0.2065, 0.2525
Android (android.graphics.Color)	4280463074 (0xFF22AEE2)
YUV	138.0680, 43.3505, -91.2676
Hunter-Lab	60.0859, -17.4445, -34.2791

Details

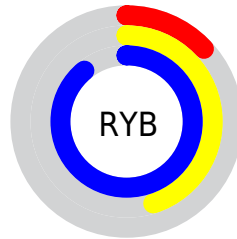
The XYZ color **29.5232, 36.1032, 77.3641** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **34.9828, 22.9433, 4.0997**, and the grayscale version is **24.0534, 25.3061, 27.5583**.

A 20% lighter version of the original color is **53.4170, 67.4585, 104.8132**, and **14.2152, 16.8213, 40.5278** is the 20% darker color. If you saturate the color by 10%, you get **27.8519, 33.5264, 76.9555**, and if you desaturate by 10%, it is **31.7396, 39.0422, 77.8153**.

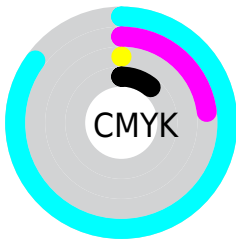
Distribution



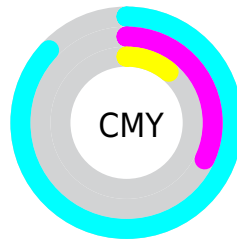
- Red (13%)
- Green (68%)
- Blue (89%)



- Red (13%)
- Yellow (45%)
- Blue (89%)



- Cyan (85%)
- Magenta (23%)
- Yellow (0%)
- Black (11%)



- Cyan (87%)
- Magenta (32%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5232, 36.1032, 77.3641 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 29.5232, 36.1032, 77.3641 by changing the saturation by 10% instead.

■ 29.5232, 36.1032,
77.3641

■ 29.5232, 36.1032,
77.3641

291.6255,
329.4114, 505.4751

■ 19.6232, 24.5139,
57.0384

■ 58.2991, 69.1913,
131.4310

■ 12.2281, 15.7153,
40.6265

■ 77.9058, 91.4589,
166.0093

■ 6.9726, 9.3229,
27.7099

■ 101.4788,
118.0548, 206.1756

■ 3.4911, 4.9524,
17.8699

■ 129.3834,
149.3633, 252.3483

■ 1.4185, 2.2194,
10.6882

■ 161.9851,
185.7688, 304.9461

■ 0.2693, 0.7305,
5.7460

199.6490,

■ 0.0000, 0.0000,

227.6557, 364.3875

2.6250

242.7407,
275.4084, 431.0910

■ 0.0000, 0.0000,
0.9053

■ 0.0000, 0.0000,
0.0000

■ 29.5232, 36.1032,
77.3641

■ 29.5232, 36.1032,
77.3641

■ 27.8519, 33.5264,
76.9555

■ 31.7396, 39.0422,
77.8153

■ 27.1444, 32.3247,
76.7609

■ 34.5810, 42.3839,
78.3106

■ 38.1170, 46.1657,
78.8542

■ 42.4066, 50.4191,
79.4490

■ 47.5020, 55.1719,
80.0979

■ 53.4508, 60.4496,
80.8030

■ 60.2967, 66.2758,
81.5668

■ 68.0801, 72.6721,
82.3912

■ 76.8391, 79.6592,
83.2782

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.6053, 36.1032, 61.0630



29.5232, 36.1032, 77.3641



35.1752, 36.1032, 82.5128

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



29.5232, 36.1032, 77.3641



47.2037, 36.1032, 36.9174



28.2067, 36.1032, 17.7752

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



29.5232, 36.1032, 77.3641



34.9828, 22.9433, 4.0997

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



33.4690, 36.1032, 14.6493



29.5232, 36.1032, 77.3641



44.8048, 36.1032, 23.4553

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



29.5232, 36.1032, 77.3641



45.8316, 36.1032, 55.5614



39.5991, 36.1032, 16.3744



24.9099, 36.1032, 26.5840

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.5232, 36.1032, 77.3641



39.2880, 36.1032, 77.9603



39.5991, 36.1032, 16.3744



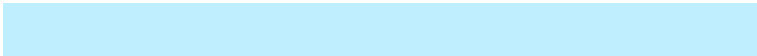
29.7805, 36.1032, 16.1641

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



29.5245, 36.1044, 77.3650



70.0956, 79.3225, 106.2241



29.5053, 55.3930, 17.7761



14.3849, 16.4368, 22.6644



0.0000, 0.0000, 0.0000



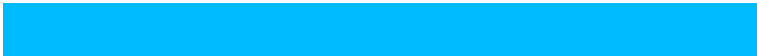
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.5245, 36.1044, 77.3650



35.5946, 42.3091, 100.8982



17.1707, 11.3970, 73.2471



13.7862, 14.9115, 17.5393



15.5890, 18.6475, 43.8261



1.1535, 1.4385, 3.0621

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



39.5772, 20.3703, 41.8914



50.0957, 24.8023, 48.5634



48.2191, 49.4160, 8.5118



14.1283, 13.8690, 16.4458



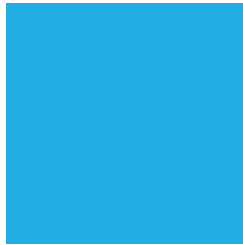
21.8088, 10.7905, 21.4567



1.5485, 0.7627, 1.6813

Previews

White Background



This preview shows how the XYZ color 29.5232, 36.1032, 77.3641 looks on a white background.

Color Contrast Check

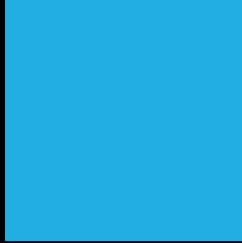
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.5232, 36.1032, 77.3641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

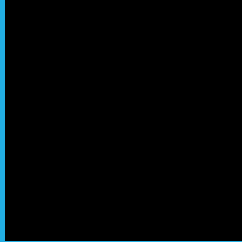
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5232, 36.1032, 77.3641

Background



This preview shows how black text looks on a background with the XYZ color 29.5232, 36.1032, 77.3641.

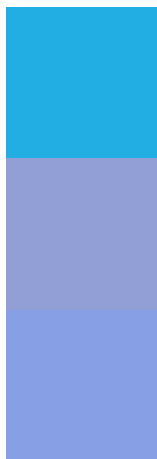


This preview shows how white text looks on a background with the XYZ color 29.5232, 36.1032,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

29.5232, 36.1032, 77.3641

Protanopia

36.2128, 35.6711, 68.5949

Deuteranopia

36.5327, 35.6043, 79.0756



Tritanopia

25.7457, 36.0905, 56.0613

Trichromacy



Original Color

29.5232, 36.1032, 77.3641



Protanomaly

31.7560, 34.6161, 71.3375



Deuteranomaly

32.3161, 34.7490, 78.4028



Tritanomaly

26.8932, 35.9302, 63.2754

Monochromacy



Original Color

29.5232, 36.1032, 77.3641



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

23.5778, 27.7448, 42.1428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5232, 36.1032, 77.3641 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(34, 174, 226)` looks like.

```
.text, #text, p{  
    color:rgb(34, 174, 226)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(34, 174, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 174, 226) }
```

Border

The CSS property to change the border of an element to XYZ 29.5232, 36.1032, 77.3641 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(34, 174, 226) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(34, 174, 226) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(34, 174, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 174, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 174, 226);  
box-shadow:4px 4px 4px 4px rgb(34, 174,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5232, 36.1032, 77.3641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 174, 226) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(34, 174,  
226) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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